

United States Patent [19]

Ray

[11] Patent Number: 4,813,437

[45] Date of Patent: Mar. 21, 1989

[54] NICOTINE DISPENSING DEVICE AND METHOD FOR THE MANUFACTURE THEREOF

[76] Inventor: J. Philip Ray, 2929 Mossrock, Ste. 130, San Antonio, Tex. 78230

[21] Appl. No.: 569,279

[22] Filed: Jan. 9, 1984

[51] Int. Cl. 4 A24D 1/00; A24F 1/00

[52] U.S. Cl. 131/273; 131/270; 131/335; 128/202.21

[58] Field of Search 131/273, 335, 365, 337; 128/202.21

[56] References Cited

U.S. PATENT DOCUMENTS

2,445,476 7/1948 Folkman 131/273
3,422,819 1/1969 Jones et al. 131/335
4,284,089 3/1980 Ray 131/273
4,480,644 11/1984 Luke 131/365

FOREIGN PATENT DOCUMENTS

1270933 7/1961 France 131/337

OTHER PUBLICATIONS

Wynder and Hoffmann, Tobacco and Tobacco Smoke,

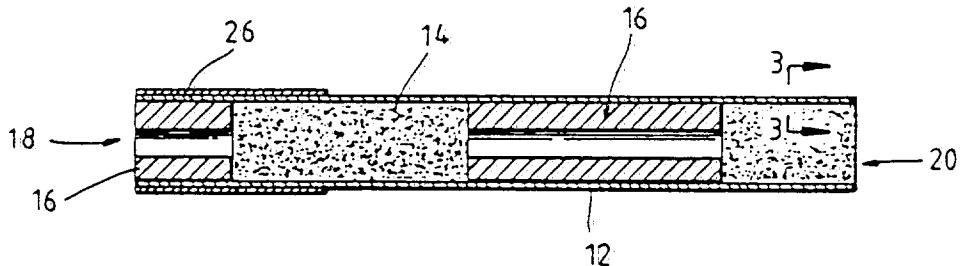
Studies in Experimental Carcinogenesis, pp. 496-501 (1967).

Primary Examiner—V. Millin
Attorney, Agent, or Firm—Arnold, White & Durkee

[57] ABSTRACT

An improved nicotine dispensing device for non-pyrolytic use which is adapted to release nicotine-bearing vapors into air drawn through the device. The device comprises one or more nicotine-bearing sections, one or more insulating sections which are linearly aligned with nicotine-bearing sections and a fluid impermeable housing. The housing retains the nicotine-bearing and insulating sections. This invention also includes a method for the preparation of an improved nicotine dispensing device. The method includes the steps of preparing one or more fluid retaining sections and one or more insulating sections. The fluid retaining sections and insulating sections are linearly arranged and wrapped with a fluid impermeable housing material. A nicotine containing material is then injected into, or incorporated within, the fluid retaining sections.

7 Claims, 2 Drawing Sheets



RECEIVED
PHILIP MORRIS MANAGEMENT CORP.
LAW DEPT—PATENT SECTION

MAR 29 1989

J. Charles
NOTED L. ELLIS
Dougherty
Kurtin

2026230587